

MATE 403

Social and sociomathematical Norms

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What is social and sociomathematical norms?

Social norms:

Norms that guide the quality of classroom discourse

How much important is it to explain students' thinking?

How much important is it to collaborate each other?

Sociomathematical norms:

Norms that guide the quality of mathematical discourse

(Yackel and Cobb, 1996)

What kind of talk is valued in the classroom?

What counts as a mathematical justification?

What counts as a mathematically efficient strategy?

What is your year?

- ① Freshman
- ② Sophomore
- ③ Junior
- ④ Senior
- ⑤ Other

What is your gender?

- ① Male
- ② Female

Which methods do you prefer
in making your peer group?

- ① By yourself
- ② By the professor

Write a list of rules to establish respect for each other in the classroom

How to develop ways toward building a more caring classroom community?

- Honest?
- Right thing?
- Good manners?
- Do your best?
- Be self-disciplined?
- Fairness?
- Cooperative environments?

What kinds of social or sociomathematical Norms should be included in our syllabus?

- ① Bad manners?
- ② Responsibilities?
- ③ Evaluation systems?

Classroom rules

① One absence is going to be counted
EXCEPT

reservist training, 1) Yes, 2) NO

student teaching,

Hospitalization,

company interview,

Funeral service

① others

**Students projects:
For Those who took the
“computer and mathematics
education” course**

Reference

Yackel, E., & Cobb, P. (1996). Sociomathematical norms, argumentation, and autonomy in mathematics. *Journal for Research in Mathematics Education*, 27(4), 458-477.

Q&A